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मानक

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IS 13984-3-3 (1995): Link and Test Connectors, Part 3: Socket for Mounting on Printed Wiring boards, Section 3: Three-Way Socket Link and Test Connector [LITD 3: Electromechanical COmponents and Mechanical Structures for Electronic Equipment]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

सम्पर्क और परीक्षण संयोजनों की विशिष्टि

भाग 3 मुद्रित तारस्थापन बोर्ड पर आरोपन के लिए साकेट

अनुभाग 3 तीन मार्गी साकेट सम्पर्क और परीक्षण कनेक्टर

Indian Standard

LINK AND TEST CONNECTORS — SPECIFICATION

PART 3 SOCKET FOR MOUNTING ON PRINTED WIRING BOARDS

Section 3 Three-Way Socket Link and Test Connector

ICS 29.120.30;31.180;31.020

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Part 3/Sec 3) was adopted by the Bureau of Indian Standards, after the draft finalized by the Connectors for Electronic Equipment Sectional Committee had been approved by the Electronics and Telecommunication Division Council.

This standard shall be read in conjunction with IS 13984 (Part 1) : 1995 'Link and test connectors — Specification : Part 1 Test schedule and requirements'.

While preparing this standard assistance has been derived from IEC Pub 130-12 (1976) 'Connectors for frequencies below 3 MHZ — Part 12 : Link and test connectors', issued by the International Electrotechnical Commission. The connectors covered in this standard are equivalent to 130-12 IEC — S102/202.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

LINK AND TEST CONNECTORS — SPECIFICATION

PART 3 SOCKET FOR MOUNTING ON PRINTED WIRING BOARDS

Section 3 Three-Way Socket Link and Test Connector

1 SCOPE

This Indian Standard (Part 3/Sec 3) lays down outline dimensions of three-way socket link and test connector for mounting on printed wiring boards.

2 REFERENCE

The following Indian Standard is a necessary adjunct to this standard:

<i>IS No.</i>	<i>Title</i>
13984 (Part 1) : 1995	Link and test connectors — Specification : Part 1 Test schedule and requirements

3 MATERIALS AND WORKMANSHIP

See 4 of IS 13984 (Part 1) : 1995.

4 TYPE DESIGNATION

The type designation according to 5 of IS 13984 (Part 1) : 1995 for this type of connector is as given below:

13984 IS — S102/202.

5 OUTLINE AND DIMENSIONS

The outline and dimensions shall be according to Fig. 1 and 2 and Table 1.

6 MOUNTING

Mounting shall be according to 6 of IS 13984 (Part 1) : 1995.

7 GAUGES

See 7 of IS 13984 (Part 1) : 1995.

8 RATED VALUES

Rated voltage : 250 V rms (not for mains).

Rated current : 8 A

9 CLIMATIC CATEGORIES

Climatic category : 40/70/21

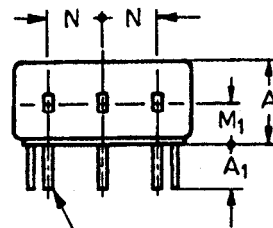
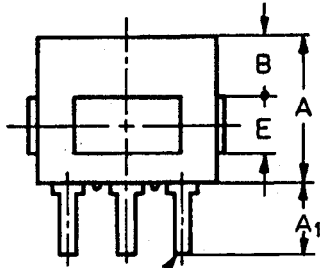
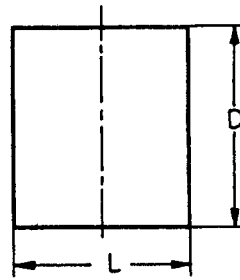
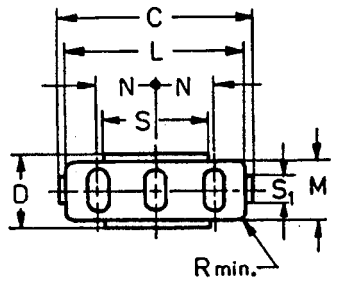
Temperature range : -40°C to +70°C

Damp heat, steady state : 21 days

Severity : H12 (Number of cycles = 2, and Number of days = 21)

10 TESTS

Provisions of 10 of IS 13984 (Part 1) : 1995 shall be applicable.



TERMINATIONS & FIXING PINS SUITABLE FOR HOLES
1.3mm NOMINAL DIAMETER IN ACCORDANCE WITH
IS:7405 (Pt 1)-1983

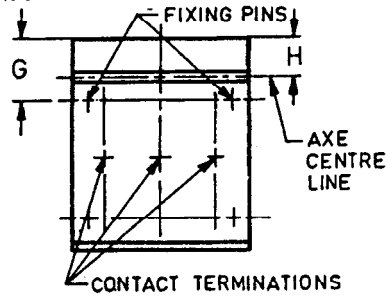


FIG. 1 SOCKET FOR STANDING-ON-BOARD MOUNTING — 13984 IS — S102

FIG. 2 SOCKET FOR PARALLEL-TO-BOARD MOUNTING — 13984 IS — S202

Table 1 Three-Way Sockets

Reference	13984 IS — S102 Dimension (mm)		13984 IS — S202 Dimension (mm)	
	Max	Min	Max	Min
A	10.3	—	5.4	—
A ₁	3.1	2.7	3.1	2.7
B	4.5	4.2	—	—
C	12.6	12.5	—	—
D	5.05	4.9	14.0	—
E	3.4	3.2	—	—
G	—	—	4.5	4.3
H	—	—	3.3	3.1
L	11.8	11.7	12.4	—
M	4.2	4.05	—	—
M ₁	—	—	2.85	2.65
N	3.88	3.74	3.88	3.74
N ₁	—	—	—	—
S	7.1	—	—	—
S ₁	1.8	—	—	—

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Amendments Issued Since Publication

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75, 371 94 02

Telegrams : Manaksanstha
(Common to all offices)

Regional Offices :

Telephone

Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg
NEW DELHI 110002

{ 331 66 17
335 38 41

Eastern : 1/14 C. I.T. Scheme VII M, V. I. P. Road, Maniktola
CALCUTTA 700054

{ 37 84 99, 37 85 61
37 86 26, 37 91 20

Northern : SCO 335-336, Sector 34-A, CHANDIGARH 160022

{ 60 38 43
60 20 25

Southern : C. I. T. Campus, IV Cross Road, MADRAS 600113

{ 235 02 16, 235 04 42
235 15 19, 235 23 15

Western : Manakalaya, E9 MIDC, Marol, Andheri (East)
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